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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

04/07/2004

McDermott, Will & Emery 600 13th Street, N.W. Washington, DC 20005-3096

EXA	MINER	
LE, THONG QUOC		
ART UNIT	PAPER NUMBER	
2818	FAPER NUM	

DATE MAILED: 04/07/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,513	10/24/2003	Hideto Hidaka	57454-979	7421

TITLE OF INVENTION: THIN FILM MAGNETIC MEMORY DEVICE FOR PROGRAMMING REQUIRED INFORMATION WITH AN ELEMENT SIMILAR TO A MEMORY CELL AND INFORMATION PROGRAMMING METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/07/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This for appropriate. All further corindicated unless corrected maintenance fee notification	respondence including the F pelow or directed otherwise	smitting the ISSUE Patent, advance order in Block 1, by (a) sp	FEE and PUBLIC s and notification pecifying a new co	ATION FEE (if requof maintenance fees prespondence address	will be mailed to the current; and/or (b) indicating a sep	should be completed where t correspondence address as arate "FEE ADDRESS" for
	W.	with any corrections or use		Fee(s) Transmittal. The papers. Each addition have its own certifical Ce I hereby certify that States Postal Service addressed to the Ma	f mailing can only be used fais certificate cannot be used al paper, such as an assignme of mailing or transmission. rtificate of Mailing or Tranhis Fee(s) Transmittal is bein with sufficient postage for fail Stop ISSUE FEE address PTO, on the date indicated be	for any other accompanying ent or formal drawing, must smission g deposited with the United states above, or being facsimile
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						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FIR	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,513	10/24/2003		Hideto Hidaka		57454-979	7421
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PL	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630	07/07/2004
EXAM	IINER	ART UNIT	CL	ASS-SUBCLASS		
LE, THON	NG QUOC	2818	•	365-171000	_	
Address form PTO/SB/12 "Fee Address" indicati PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	on (or "Fee Address" Indicated or more recent) attached. Use PRESIDENCE DATA TO B an assignee is identified beld to the USPTO or is being s	ion form of a Customer E PRINTED ON THE ow, no assignee data ubmitted under separa	agents OR, altern firm (having as a agent) and the na attorneys or agent will be printed. E PATENT (print c will appear on the ate cover. Complet	natent. Inclusion of a	of a single attorney or 2 tered patent d, no name 3 ssignee data is only appropri T a substitute for filing an ass	iate when an assignment has signment.
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obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark (22313-1450. DO NOT S	tion is required by 37 CFR by the public which is to fig y is governed by 35 U.S.C. I tes to complete, including gam to the USPTO. Time will the amount of time you rhis burden, should be sent toffice, U.S. Department of END FEES OR COMPLE for Patents, Alexandria, Virg	le (and by the USPT 22 and 37 CFR 1.14. hthering, preparing, and I vary depending up- equire to complete to the Chief Informat of Commerce, Alex TED FORMS TO T	O to process) an			

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7	590 04/07/2004		EXAM	INER
McDermott, Will 600 13th Street, N	•		LE, THON	IG QUOC
Washington, DC 2			ART UNIT	PAPER NUMBER
			2818	
			DATE MAILED: 04/07/2004	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			pin
	Application No.	Applicant(s)	
	10/691,513	HIDAKA, HIDETO	
Notice of Allowability	Examiner	Art Unit	
	Thong Q. Le	2818	<u> </u>
The MAILING DATE of this communication appea. All claims being allowable, PROSECUTION ON THE MERITS IS (Continuous to the continuous t	OR REMAINS) CLOSED in this in the communicated in this in the communicated in the communication is subjection in the communication in t	application. If not included ion will be mailed in due cours	
1. This communication is responsive to			
2. ⊠ The allowed claim(s) is/are <u>10-33</u> .			
3. \boxtimes The drawings filed on <u>24 October 2003</u> are accepted by the	Examiner.		
4. Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been decided as a comment of the priority documents have been decided as a comment of the priority documents have been decided as a comment of the priority document of t	peen received. Deen received in Application No. Deen received in Application No. Deen received in the deep received in Application. Deep received in Application to file a repeated in the deep received in Application in the deep received in the deep re	is national stage application for some stage application for the some stage application for some stage	ments CE OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summa Paper No./Mail r), 7. ☐ Examiner's Amer	Date	
		Thong Q. Le Primary Examiner Art Unit: 2818	

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DETAILED ACTION

1. Pre-amendment filed on October 24, 2003 has been entered.

- 2. Claims 1-9 have been canceled.
- 3. Claims 10-33 have been added.
- 4. Claims 10-33 are presented for examination.

Information Disclosure Statement

- This office acknowledges receipt of the following items from the Applicant:
 Information Disclosure Statement (IDS) filed on October 24, 2003.
- 6. Information disclosed and list on PTO 1449 was considered.

Priority

7. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/234,243, filed on 09/05/2002.

Reasons for Allowance

9. Claims 10-33 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 10-33 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Naji et al. (U.S. Patent No. 6,331,943), Perner et al. (U.S. Patent No. 6,324,093) and others, does not teach the claimed invention having a thin film

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Art Unit: 2818

magnetic memory device comprises a program circuit for storing information for use in at least one of data read operation and data write operation from and to the plurality of memory cells, wherein the program circuit includes a plurality of program units for storing program of the information when the program unit is in a program state.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner Art Unit 2818

THONG LE